

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takashi NORO et al.

Application No.: New U.S. National Stage of  
PCT/JP03/013431

Filed: April 18, 2005

Docket No.: 123531

For: APPARATUS FOR COATING OUTER PERIPHERAL SURFACE OF PILLAR  
STRUCTURE AND METHOD FOR COATING OUTER PERIPHERAL SURFACE OF  
PILLAR STRUCTURE**TRANSMITTAL OF POWER OF ATTORNEY AND**  
**STATEMENT UNDER 37 CFR § 3.73(b)**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith is a Power of Attorney from the Assignee.

In compliance with 37 CFR §3.73(b), the undersigned hereby states that NGK  
INSULATORS, LTD. is the assignee of the entire right, title and interest in the patent application  
identified above by virtue of an assignment from the inventors of the patent application identified  
above. A copy of the assignment is attached hereto.

The undersigned is authorized to act on behalf of the assignee.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD  
BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944, TELEPHONE  
(703) 836-6400.**

Respectfully submitted,

Eric D. Morehouse  
Registration No. 38,565

EDM/crh

Date: April 18, 2005

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GENERAL POWER OF ATTORNEY  
TO PROSECUTE APPLICATIONS BEFORE  
THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Assignee Name and Address: NGK Insulators, Ltd.  
2-56, Suda-cho, Mizuho-ku, Nagoya-city  
Aichi-prefecture, 467-8530 Japan

appoints the patent practitioners associated with Oliff & Berridge, PLC Customer Number 25944 to represent it before the United States Patent and Trademark Office in connection with any and all U.S. patent applications assigned to the above-named assignee.

The undersigned is authorized to act on behalf of the assignee.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944, TELEPHONE (703) 836-6400.

October 28, 2004

Date

Takafumi Hochi

Signature

Typed Name: Takafumi Hochi

Title: General Manager, Legal Affairs & Intellectual Property Department

## ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(5) Takashi NORO(9) Insert Name of Assignee  
(10) Insert Address of Assignee(6) Takahisa KANEKO

(7) \_\_\_\_\_

(8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) NGK Insulators, Ltd.(10) 2-56, Suda-cho, Mizuho-ku, Nagoya-city, Aichi-prefecture, 467-8530 Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number

(11) APPARATUS FOR COATING OUTER PERIPHERAL SURFACE OF PILLAR STRUCTURE AND METHOD FOR COATING OUTER PERIPHERAL SURFACE OF PILLAR STRUCTURE

(Attorney Docket No. \_\_\_\_\_)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application

(12) on \_\_\_\_\_

(13) Alternative Identification for filed applications

(13) U.S. application Serial Number \_\_\_\_\_  
filed \_\_\_\_\_

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Director of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>March 25, 2005</u>	Inventor Signature <u>Takashi NORO</u> (SEAL)
Date	<u>March 25, 2005</u>	Inventor Signature <u>Takahisa KANEKO</u> (SEAL)
Date	_____	Inventor Signature _____ (SEAL)
Date	_____	Inventor Signature _____ (SEAL)
Date	_____	Inventor Signature _____ (SEAL)
Date	_____	Inventor Signature _____ (SEAL)
Date	_____	Inventor Signature _____ (SEAL)
Date	_____	Inventor Signature _____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness _____
------	-------	---------------

Date	_____	Witness _____
------	-------	---------------

Docket No.:

APPLICATION FOR UNITED STATES PATENT  
DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor

(if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**✓ APPARATUS FOR COATING OUTER PERIPHERAL SURFACE OF PILLAR STRUCTURE  
AND METHOD FOR COATING OUTER PERIPHERAL SURFACE OF PILLAR STRUCTURE**

described and claimed in the specification:

Check one

- a.  attached hereto.  
 b.  filed on \_\_\_\_\_ as Application No. \_\_\_\_\_ and amended on \_\_\_\_\_ (if applicable).  
 c.  described and claimed in PCT International Application No. PCT/JP03/13431 filed on Oct. 21, 2003 and as amended under PCT Article 19/34 on \_\_\_\_\_ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) and/or United States provisional application(s) filed by me or my legal representatives or assigns within one year prior to this application are hereby claimed:

✓ Japanese Patent Application No. 2002-306708 filed on October 22, 2002.

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority application(s) and/or United States provisional application(s):

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE,  
PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.**

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1-83 **Typewritten Full Name  
of First or Sole Inventor****Takashi****NORO**

Given Name

Middle Initial

Family Name

2    \*\*Inventor's Signature:  
3    \*\*Date of Signature:*Takashi Noro*

25th.

2005

Residence:

Month

Day

Year

Nagoya-city,

Aichi-prefecture,

Japan

Aichi-prefecture,

JPX

City

State or Province

Country

Citizenship:

Japanese

Post Office Address:

c/o NGK Insulators, Ltd.,  
(Insert complete  
mailing address,  
including country)  
2-56, Suda-cho, Mizuho-ku, Nagoya-city,  
Aichi-prefecture, 467-8530 Japan

\*If Box (a.) is checked, this form may be executed only when attached to the specification (including claims).

\*\*Note to Inventor: Please sign name exactly as it appears above and insert actual date of signing.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE

Mark this page in a sole inventor application

Rec'd PTO

18 APR 2005

2-00 Typewritten Full Name  
of Second Joint Inventor (if any)

Takahisa

KANEKO

- 2 \*\*Inventor's Signature:  
3 \*\*Date of Signature:

Given Name

Middle Initial

Family Name

Yoshio Takahisa

March

25th,

2005

Month

Day

Year

Residence:

Nagoya-city,

Aichi-prefecture, JPN

Japan

City

State or Province

Country

Citizenship:

Japanese

Post Office Address:  
(Insert complete  
mailing address,  
including country)c/o NGK Insulators, Ltd.,  
2-56, Suda-cho, Mizuho-ku, Nagoya-city,  
Aichi-prefecture, 467-8530 Japan1 Typewritten Full Name  
of Third Joint Inventor (if any)

Given Name

Middle Initial

Family Name

- 2 \*\*Inventor's Signature:  
3 \*\*Date of Signature:

Month

Day

Year

Residence:

City

State or Province

Country

Citizenship:

Post Office Address:  
(Insert complete  
mailing address,  
including country)1 Typewritten Full Name  
of Fourth Joint Inventor (if any)

Given Name

Middle Initial

Family Name

- 2 \*\*Inventor's Signature:  
3 \*\*Date of Signature:

Month

Day

Year

Residence:

City

State or Province

Country

Citizenship:

Post Office Address:  
(Insert complete  
mailing address,  
including country)1 Typewritten Full Name  
of Fifth Joint Inventor (if any)

Given Name

Middle Initial

Family Name

- 2 \*\*Inventor's Signature:  
3 \*\*Date of Signature:

Month

Day

Year

Residence:

City

State or Province

Country

Citizenship:

Post Office Address:  
(Insert complete  
mailing address,  
including country)

Note to Inventors: Please sign name exactly as it appears and insert the actual date of signing.

This form may be executed only when attached to the first page of the Declaration form of the application to which it pertains.